# MODEL 4.5 HOWITZER GUN.

Hobbies **Special Design Sheet.**
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The ⟶ indicates direction of grain of wood.

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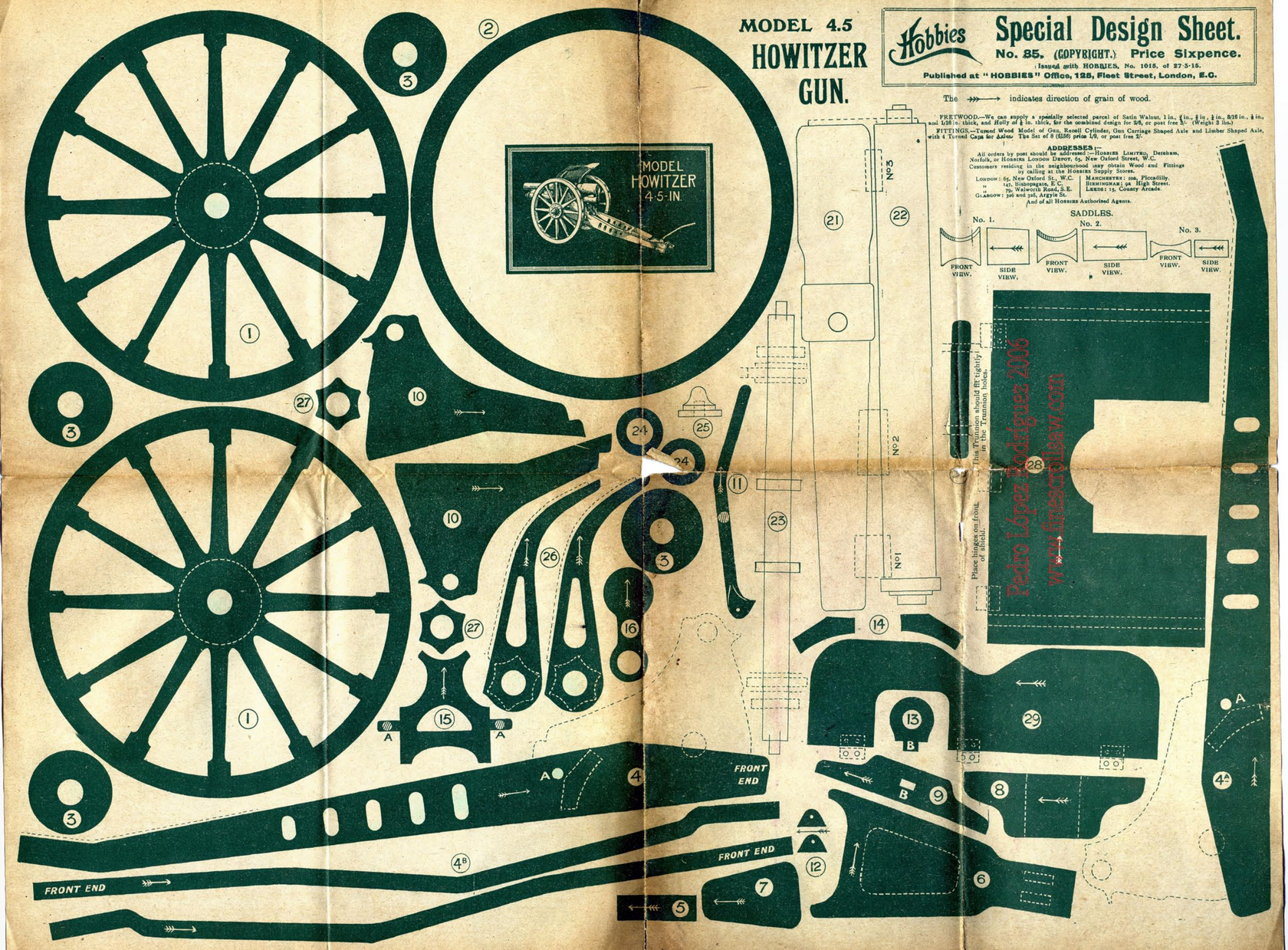



SADDLES.



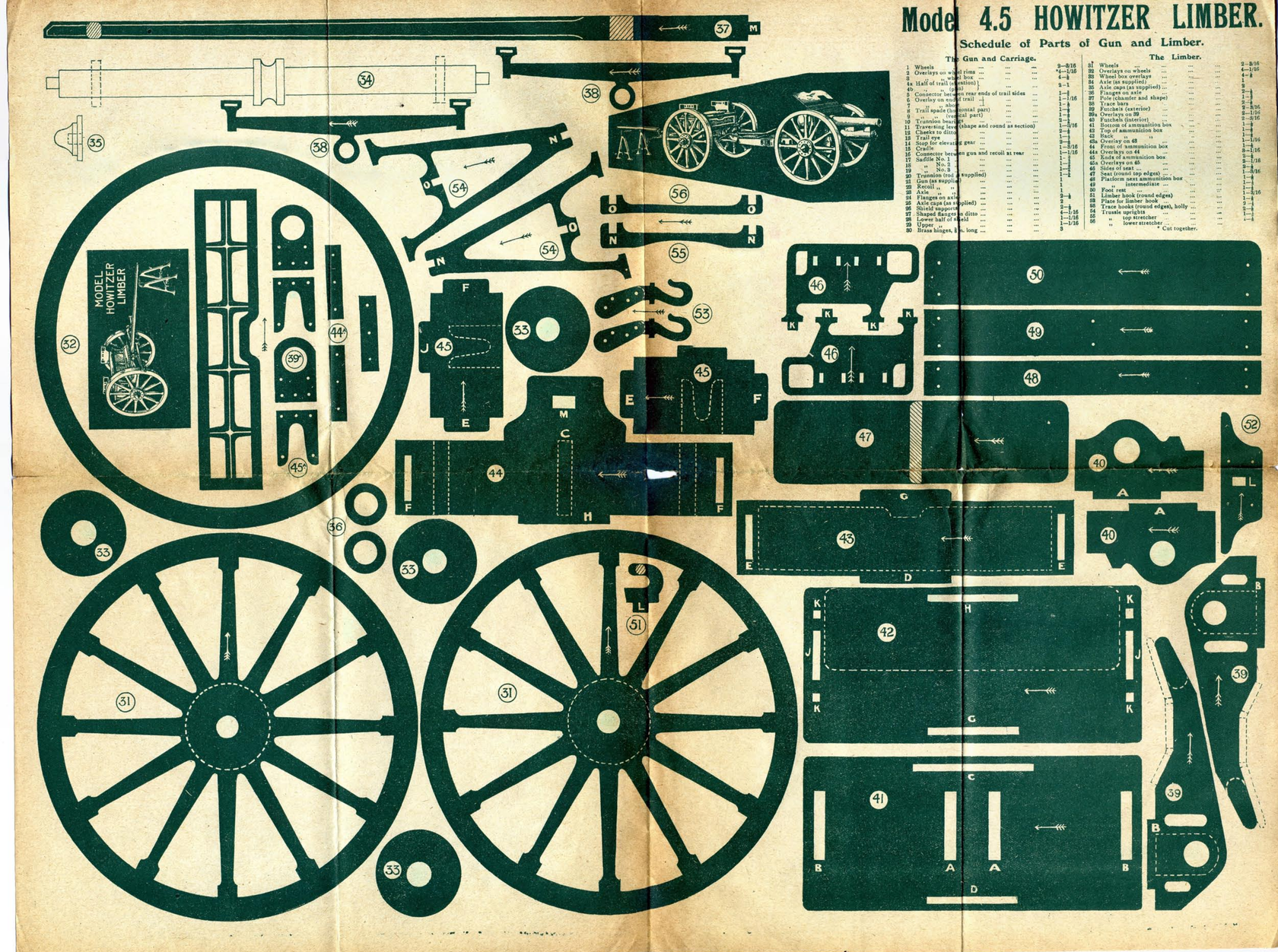

# Model 4.5 HOWITZER LIMBER.

## Schedule of Parts of Gun and Limber.

### The Gun and Carriage.

| | | |
|---|---|---|
| 1 | Wheels ... ... ... | 2—3/16 |
| 2 | Overlays on wheel rims ... ... ... | *4—1/16 |
| 3 | " " wheel box ... ... ... | 4—½ |
| 4a | Half of trail (elevation) ... ... ... | 2—1 |
| 4b | " " (plan) ... ... ... | |
| 5 | Connector between rear ends of trail sides ... | 1—⅜ |
| 6 | Overlay on end of trail ... ... ... | 1—1/16 |
| 7 | " " ahoe ... ... ... | 1—⅛ |
| 8 | Trail spade (horizontal part) ... ... ... | 1—⅛ |
| 9 | " " (vertical part) ... ... ... | 1—⅛ |
| 10 | Trunnion bearings ... ... ... | 2—⅛ |
| 11 | Traversing lever (shape and round as section) | 1—3/16 |
| 12 | Cheeks to ditto ... ... ... | 2—⅛ |
| 13 | Trail eye ... ... ... | 1—⅛ |
| 14 | Stop for elevating gear ... ... ... | 2—⅛ |
| 15 | Cradle ... ... ... | 1—3/16 |
| 16 | Connector between gun and recoil at rear ... | 1—1/16 |
| 17 | Saddle No. 1 ... ... ... | 1—⅛ |
| 18 | " No. 2 ... ... ... | 1—⅛ |
| 19 | " No. 3 ... ... ... | 1—⅛ |
| 20 | Trunnion (rod as supplied) ... ... ... | 1—⅛ |
| 21 | Gun (as supplied) ... ... ... | 1 |
| 22 | Recoil " " ... ... ... | 1 |
| 23 | Axle " " ... ... ... | 1 |
| 24 | Flanges on axle ... ... ... | 2—⅛ |
| 25 | Axle caps (as supplied) ... ... ... | 2 |
| 26 | Shield supports ... ... ... | 2—⅛ |
| 27 | Shaped flanges on ditto ... ... ... | 4—1/16 |
| 28 | Lower half of shield ... ... ... | 1—1/16 |
| 29 | Upper " ... ... ... | 1—1/16 |
| 30 | Brass hinges, ⅜ in. long ... ... ... | 3 |

### The Limber.

| | | |
|---|---|---|
| 31 | Wheels ... ... ... | 2—3/16 |
| 32 | Overlays on wheels ... ... ... | 4—1/16 |
| 33 | Wheel box overlays ... ... ... | 4—⅛ |
| 34 | Axle (as supplied) ... ... ... | 1 |
| 35 | Axle caps (as supplied) ... ... ... | 2 |
| 36 | Flanges on axle ... ... ... | 2—⅛ |
| 37 | Pole (chamfer and shape) ... ... ... | 1—⅛ |
| 38 | Trace bars ... ... ... | 2—⅛ |
| 39 | Futchels (exterior) ... ... ... | 2—3/16 |
| 39a | Overlays on 39 ... ... ... | 2—1/16 |
| 40 | Futchels (interior) ... ... ... | 2—3/16 |
| 41 | Bottom of ammunition box ... ... ... | 1—⅛ |
| 42 | Top of ammunition box ... ... ... | 1—⅛ |
| 43 | Back " " ... ... ... | 1—⅛ |
| 43a | Overlay on 43 ... ... ... | 1—1/16 |
| 44 | Front of ammunition box ... ... ... | 1—⅛ |
| 44a | Overlays on 44 ... ... ... | 3—1/16 |
| 45 | Ends of ammunition box ... ... ... | 2—⅛ |
| 45a | Overlays on 45 ... ... ... | 2—1/16 |
| 46 | Sides of seat ... ... ... | 2—⅛ |
| 47 | Seat (round top edges) ... ... ... | 1—3/16 |
| 48 | Platform next ammunition box ... ... ... | 1—⅛ |
| 49 | " intermediate ... ... ... | 1—⅛ |
| 50 | Foot rest ... ... ... | 1—3/16 |
| 51 | Limber hook (round edges) ... ... ... | 1—⅛ |
| 52 | Plate for limber hook ... ... ... | 2—⅛ |
| 53 | Trace hooks (round edges), holly ... ... ... | 2—⅛ |
| 54 | Trussle uprights ... ... ... | 1—⅛ |
| 55 | " top stretcher ... ... ... | 1—⅛ |
| 56 | " lower stretcher ... ... ... | 1—⅛ |

* Cut together.